

REMARKS

The office action of May 8, 2009, has been carefully considered.

It is noted that claims 1-8 are rejected under 35 U.S.C. 102(b) over JP-28752 to Okidaka.

Claims 1-8 are rejected under 35 U.S.C. 102(b) over the patent to Tjahjadi et al.

Claims 1-8 are rejected under 35 U.S.C. 112, second paragraph.

In view of the Examiner's rejections of the claims, applicant has canceled claims 2, 3 and 7, amended claims 1, 4-6 and 8, and added new claim 9.

It is respectfully submitted that the claims now on file particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicant has amended the claims to address the instances of indefiniteness pointed out by the Examiner.

In view of these considerations it is respectfully submitted that the rejection of claims 1-8 under 35 U.S.C. 112, second paragraph is overcome and should be withdrawn.

It is respectfully submitted that the claims presently on file differ essentially and in an unobvious, highly advantageous manner from the constructions disclosed in the references.

Turning now to the references and particularly to JP-28752 to Okidaka, it can be seen that this reference discloses a device that measures filling pressure and resin temperature. Okidaka does provide a heater 5 in the region of the injection nozzle, in which the pressure sensor is located. However, Okidaka does not disclose a heating device integrated in the sensor, instead, the heater 5 surrounds the sensor 7. Also, the heater does not appear to heat the part of the sensor which extends into the melt and the part of the sensor which is surrounded by the bore.

In view of these considerations it is respectfully submitted that the rejection of claims 1-8 under 35 U.S.C. 102(b) over the above-discussed reference is overcome and should be withdrawn.

The patent to Tjahjadi et al. discloses an on-line rheometer device. Tjahjadi et al. only teach a melt pipe surrounded by a heating device that maintains a uniform temperature of the melt pipe during casting. There is no disclosure of a heating device integrated in a sensor so as to heat part of the sensor (the threads) to permit the sensor to be removed from solidified melt. From Fig. 1 of Tjahjadi et al., it can be seen that the sensor 74 does not extend into the melt, therefore the heater jacket cannot heat a part of the sensor that extends into the melt. The heater jacket 78 also does not heat the part of the sensor surrounded by the bore in the barrel member 34.

In view of these considerations it is respectfully submitted that the rejection of claims 1-8 under 35 U.S.C. 102(b) over the above-discussed reference is overcome and should be withdrawn.

Reconsideration and allowance of the present application are respectfully requested.

Any additional fees or charges required at this time in connection with this application may be charged to Patent and Trademark Office Deposit Account No. 11-1835.

HM-723

Respectfully submitted,

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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450 Alexandria, VA 22313-1450, on October 8, 2009.

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